WEAR RESISTANT PUTTY (WR-2)

PRODUCT DESCRIPTION:

A ceramic-filled epoxy putty with a smooth, low-friction finish.

FEATURES/BENEFITS

- Rebuilds and protects interfacing metal surfaces that are subjected to wear.
- Repairs metals and concrete.
- Protects metal from bi-metallic corrosion.

RECOMMENDED APPLICATIONS

- Repairing flange faces
- Repairing machine ways
- Repairing valve seats and bodies
- Repairing tracing guides

Typical Physical Properties: Cured 7 days @ 75°F.

Color	Dark grey
Mixed Viscosity	Putty
% Solids By Volume	100
Cured Density	1.8 gm/cc
Cure Shrinkage ASTM D2566	0.0005 in/in
Specific Volume	13.9 in^3/lb
Pot Life @ 75°F (1 lb. mass.)	60 minutes
Compressive Strength ASTM D695	9,800 psi
Adhesive Tensile Shear ASTM D1002	2,200 psi
Hardness Shore D ASTM D2240	85D
Dielectric Strength, volts/mil, ASTM D149	400
Coverage	56 sq.in./lb. @ 1/4"
Temperature Resistance: Wet	130°F
Dry	250°F

Chemical Resistance: 7 days room temperature cure (30 days immersion @ 75°F)

Kerosene	VG	Methanol	U
10% Hydrochloric Acid	F	Toluene	F
Chlorinated Solvent	VG	Ammonia	VG
10% Sulfuric Acid	F	10% Sodium Hydroxide	VG

KEY: VG = Very Good F = Fair U = Unsatisfactory

Epoxies are very good in water, saturated salt solution, leaded gasoline, mineral spirits, ASTM #3 oil and propylene glycol. Epoxies are generally not recommended for long-term exposure to concentrated acids and organic solvents.

PLEASE CONSULT FACTORY FOR OTHER CHEMICALS.

DIRECTIONS FOR USE.

Proper surface preparation is essential to the success and performance of any epoxy application. In all cases, the application surface should be clean, dry, free from oils, and rough.

1. Remove all oils, dirt and grease by means of a strong cleaner/degreaser (Devcon Cleaner Blend 300 is suitable for this process).

2. Roughen the surface by grit blasting (8-40 mesh grit) or grinding. A 3-5 mil profile is desired for most applications.

3. All abrasive preparation should be followed by another cleaning to remove any remnants from that process.

4. Ideal application temperature is 55-90°F. Under cold conditions, heating the repair area to 100-110°F is recommended.

5. Add hardener to resin and mix thoroughly with a screwdriver or putty knife until a uniform, streak-free consistency is obtained (about 4 minutes).

MIXING - MIX RATIO: Resin to Hardener: Weight 9:1, Volume 4:1.

6. Spread mixed material over the repair area and work firmly into the substrate to ensure maximum surface contact.

7. To bridge large gaps or holes use fiberglass tape, expanded metal or mechanical fasteners.

CURE:

- Working time is 45 minutes @ 75° F.
- Functional (75%) cure is achieved in 16 hours @ 75° F.
- For maximum physical properties, heat cure for 4 hours @ 200°F after curing at room temperature for 2-1/2 hours.

PRECAUTION:

For complete safety and handling information, please refer to the appropriate Material Safety Data Sheets prior to using this product.

For technical assistance, please call 1-800-933-8266.

Warranty:
Devcon will replace any material found to be defective. Because the storage, handling and application of this material is beyond our control, we can accept no liability for the results obtained.

ORDERING INFORMATION:

Stock No.	Unit Size
11410	1 lb.
11420	3 lb.